

What Is Claimed Is:

1. An apparatus for matching a plurality of interfaces,
comprising:

5 a first matching unit provided in a first interface and a
second interface, respectively;

a second matching unit that is matched to the first
matching unit; and

10 a data transmit/receive unit for transmitting/receiving
data by using one of the first and second interfaces that are
connected by the matching of the first matching unit and the
second matching unit.

2. The apparatus as claimed in claim 1, wherein the second
15 matching unit comprises:

a decision unit for determining whether an interface
matched to the first matching unit is the first interface or
the second interface; and

20 a distribution unit for distributing signal lines so that
a corresponding interface can be used depending on the
determination result.

3. The apparatus as claimed in claim 2, wherein the
decision unit determines whether the interface matched to the

first matching unit is the first interface or the second interface depending on the level of a voltage.

4. The apparatus as claimed in claim 2, wherein the data
5 transmit/receive unit comprises:

a first data transmit/receive unit for exchanging data with the first interface; and

a second data transmit/receive unit for exchanging data with the second interface.

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5. The apparatus as claimed in claim 4, wherein the first interface is an optical interface.

6. The apparatus as claimed in claim 5, wherein the second
15 interface is a copper interface.

7. The apparatus as claimed in claim 6, wherein the optical interface is connected to the first data transmit/receive unit by means of signal lines of a SerDes.

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8. The apparatus as claimed in claim 6, wherein the copper interface is connected to the second data transmit/receive unit by means of signal lines of a MDI.